Seat No

## B. Sc. (Part – I) (Semester – II) (CBCS) Examination, October/ November – 2023 CHEMISTRY (Paper – IV) Analytical Chemistry Subject Code: 72844

Day and Date: Tuesday, 28/11/2023 Time: 2.30 to 4.30 p.m.

Total Marks: 50

1		Me. 2.50 to 4.50 p.m.				
		Instruction: Use of scientific calculator				
Q	I Se	lect the most correct alternative among those gi	ven be	low and rewrite the sentence:	(10)	
		i) pH of the water is measured by the instrume	ent			
		A) Potentiometer	B)	Thermometer		
		C) Thermostat	D)	Barometer		
	ii) Biochemical oxygen demand test carried out for days					
		A) One	B)	Three		
		C) Five	D)	Seven		
	ii	i) Nitrogen is the nutrient required for	the he	ealthy growth of plants.		
		A) Major	B)	Minor		
		C) Micro	D)	Not essential		
	iv) Accuracy Is used to express of a measurement.					
		A) reproducibility	B)	correctness		
		C) Organic ability,	D)	inability		
	V	) Which of the following is not the Column c	hroma	tography?		
		A) Gas chromatography	B)	Paper		
		C) SFC	D)	HPLC		
	vi	) The process of extracting a small portion of	the m		ruly	
	represents the composition of the whole material is known as					
		A) Analysis	B)	Process		
		C) Sampling	D)	None of these		
	vii					
		A) Acid-base indicator	B)	Monochrome Black		
		C) Solochrome Black	D)	None of these		
	viii) The solution with known concentration is known as					
		A) Molar	B)	Molal		
		C) Normal	D)	Standard		
	ix)					
		A) Instrument	B)	Chemical test		
		C) Sample	D)	None of these		
	x)	The urea is type of fertilizer.	D)	None of these		
	^/		Di	Di1		
			B)	Phosphatic		
00		C) Mixed	D)	nitrogenous		
Q2		Attempt Any TWO of the following (20)				
	1111111111111	A) Define chromatography? Give its Classification.				
	B)					
	C)	Define fertilizers. What are the requirements of good fertilizers?				
23	Attempt Any Four of the following				(20)	
	a) What is the principle of Kjeldahl's method?					
	b)	Give the classification of fertilizers?				
	c)					
	d)					
	e)					
	0	What is biological oxygen demand?				
	1)	What is biological oxygen demand?				